

Electronic Filing System (EFS) Data Electronic Patent Application Submission USPTO Use Only

EFS ID:

56968

Application ID:

10648815

Title of Invention:

WELLBORE PUMPING WITH IMPROVED TEMPERATURE

PERFORMANCE

First Named Inventor:

WILLIAM HOWARD

Domestic/Foreign Application:

Domestic Application

Filing Date:

2003-08-26

Effective Receipt Date:

2004-03-11

Submission Type:

Information Disclosure

Statement

Filing Type:

Confirmation number:

4562

Attorney Docket Number:

WEAT/0313

Total Fees Authorized:

Digital Certificate Holder: cn=William Bruce Patterson,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US. Certificate Message Digest: b2c43ef4a452ecce9c4ec2b8594e72d0b67a5fbe



TRANSMITTAL

Electronic Version v1.1 Stylesheet Version v1.1.0

> Title of Invention

WELLBORE PUMPING WITH IMPROVED TEMPERATURE **PERFORMANCE**

Application Number:

10/648815

Date:

2003-08-26

First Named Applicant: WILLIAM F. HOWARD

Confirmation Number:

4562

Attorney Docket Number: WEAT/0313

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity	
WILLIAM B. PATTERSON Registered Number: 34102	(WILLIAM B. PATTERSON)	Attorney	

Documents being submitted

Files

us-ids

WEAT0313-usidst.xml

us-ids.dtd us-ids.xsl

Comments



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

WELLBORE PUMPING WITH IMPROVED TEMPERATURE PERFORMANCE

Application Number:

10/648815

Confirmation Number:

4562

First Named Applicant:

WILLIAM HOWARD

Attorney Docket Number: WEAT/0313

MEATIONAN

Art Unit:

3672

Search string:

(4344485).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4344485	1982-08-17	Butler	•		•

Signature

Examiner Name	Date		